

Recombinant human ASPRV1 protein

Catalog Number: ATGP1768

PRODUCT INFORMATION

Expression system

E.coli

Domain

191-326aa

UniProt No.

Q53RT3

NCBI Accession No.

NP_690005

Alternative Names

Aspartic peptidase retroviral-like 1, Aspartic peptidase, retroviral-like 1, MuNO, SASP, SASPase, Taps

PRODUCT SPECIFICATION

Molecular Weight

17.2 kDa (159aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

ASPRV1, also known as MuNO, SASP and ASAPase, is a protein that contains 1 peptidase A2 domain. This protein is expressed primarily in the granular layer of the epidermis and inner root sheath of hair follicles and localized to membrane region. This protein undergoes autocleavage which is necessary for activation of the protein. Recombinant human ASPRV1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>SMGKGY LKGKIGKVPV RFLVDGAQV SVVHPNLWEE VTDGDLDTLQ
PFENVVKVAN GAEMKILGVW DTAVSLGK LKAQFLVANA SAEAIIGTD VLQDHNAILD FEHRTCTKGG KKFRLLPVGG
SLEDFDLE

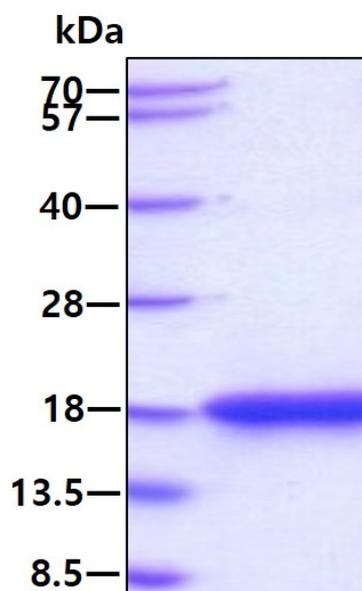
General References

Matsui, T., et al. (2011) EMBO Mol Med 3 (6), 320-333

Rhiemeier, V., et al. (2006) Am. J. Pathol. 168 (4), 1354-1364

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.